

What is claimed is:

1. An implantable member for use in repair or replacement with a body comprising an expanded polytetrafluoroethylene substrate having a wall structure including nodes and fibrils with pores present between said nodes and said fibrils, said pores filled with a fluid which solidifies and is crosslinked to form a solid precipitate of a insoluble biocompatible, biodegradable material of natural origin said material being insoluble at a pH of about 7.4.
2. An implantable member of claim 1 wherein said substrate comprises an implantable tubular prosthesis.
3. An implantable member of claim 1 wherein said substrate comprises an implantable surgical patch.
4. An implantable member of claim 1 wherein said substrate comprises an implantable mesh.
5. An implantable member of claim 1 wherein the insoluble biocompatible, biodegradable material substantially fills said pores to render the substrate blood-tight.
6. An implantable member of claim 1 wherein the biocompatible, biodegradable material includes extracellular matrix proteins.
7. An implantable member of claim 6 wherein said extracellular matrix protein is selected from the group consisting of collagen including collagen I-V, gelatin, vitronectin, fibronectin, laminin, reconstituted basement membrane matrices and derivatives and mixtures thereof.
8. The prosthesis of claim 1 wherein the biocompatible, biodegradable material is cross-linked.
9. The prosthesis of claim 1 wherein the biocompatible, biodegradable material includes a pharmacological agent.
10. The prosthesis of claim 9 wherein said pharmacologically active agent is selected from the group consisting of antimicrobials, antivirals, antibiotics, growth factors, blood clotting modulators, antivirals and mixtures thereof.
11. The prosthesis of claim 1 wherein the polytetrafluoroethylene has been modified to enhance its hydrophilic character.
12. The prosthesis of claim 11 wherein the polytetrafluoroethylene has been subjected to glow discharge plasma deposition.

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